Evidence for the Presence of Type I Insulin-Like Growtl A and B Cells*

Endocrinology 121, 1784-1788

DOI: 10.1210/endo-121-5-1784

Citation Report

#	Article	IF	CITATIONS
1	Effects of Growth Hormone and Insulin-Like Growth Factor I on Endocrine Function of Human Fetal Islet-Like Cell Clusters During Long-Term Tissue Culture. Diabetes, 1988, 37, 1678-1683.	0.3	33
2	Characterization of Insulinlike Growth Factor I Produced by Fetal Rat Pancreatic Islets. Diabetes, 1989, 38, 686-690.	0.3	28
3	Mechanism of IGF-I-Stimulated Glucose Transport in Human Adipocytes: Demonstration of Specific IGF-I Receptors Not Involved in Stimulation of Glucose Transport. Diabetes, 1989, 38, 1217-1225.	0.3	52
4	Sensitivity of rat pancreatic A and B cells to somatostatin. Diabetologia, 1989, 32, 207-212.	2.9	90
5	Effect of a phospho-oligosaccharidic putative insulin messenger on insulin release in rats. Diabetologia, 1989, 32, 295-299.	2.9	3
6	Growth Hormone is a Growth Factor for the Differentiated Pancreatic \hat{l}^2 -Cell. Molecular Endocrinology, 1989, 3, 165-173.	3.7	118
7	Effects of Insulin-Like Growth Factor-I on Insulin and Glucagon Release from Isolated Perfused Rat Pancreas Endocrinologia Japonica, 1990, 37, 867-874.	0.5	12
8	Direct effect of insulin and insulin-like growth factor-l on the secretory activity of rat pancreatic beta cells. Diabetologia, 1990, 33, 649-653.	2.9	78
9	Insulin-like growth factor I receptors in adult rat liver: characterization and in vivo regulation. American Journal of Physiology - Endocrinology and Metabolism, 1990, 258, E329-E337.	1.8	9
10	Islet Cell Culture in Defined Serum-Free Medium*. Endocrinology, 1990, 126, 1895-1903.	1.4	37
11	Insulin-Like Growth Factor-I at Physiological Concentrations Is a Potent Inhibitor of Insulin Secretion*. Endocrinology, 1990, 126, 1593-1598.	1.4	136
12	Growth factor control of pancreatic B cell hyperplasia. Bailliere's Clinical Endocrinology and Metabolism, 1991, 5, 689-698.	1.0	28
14	The Stimulatory Effect of Growth Hormone, Prolactin, and Placental Lactogen on \hat{l}^2 -Cell Proliferation Is not Mediated by Insulin-Like Growth Factor-I. Endocrinology, 1991, 129, 883-888.	1.4	103
15	Effects of Growth Hormone and Related Growth Factors on DNA Replication and Insulin Production in Pancreatic Islet <i>β</i> â€Cells. Acta Paediatrica, International Journal of Paediatrics, 1991, 80, 55-62.	0.7	6
16	Enhanced insulin-like growth factor I gene expression in regenerating rat pancreas Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6152-6156.	3.3	122
17	Functional Maturation and Proliferation of Fetal Pancreatic Â-Cells. Diabetes, 1991, 40, 89-93.	0.3	121
18	Activated Alveolar Macrophages Express the Insulin-like Growth Factor-I Receptor. American Journal of Respiratory Cell and Molecular Biology, 1991, 4, 432-439.	1.4	24
19	Intracellular signal transduction pathways that control pancreatic \hat{l}^2 -cell proliferation. FEBS Letters, 1992, 311, 85-90.	1.3	29

#	Article	IF	Citations
20	Insulin-like growth factors and cancer. British Journal of Cancer, 1992, 65, 311-320.	2.9	502
21	Human amniotic fluid obtained from diabetic women. International Journal of Gastrointestinal Cancer, 1992, 12, 245-51.	0.4	0
22	Immunohistochemical localization of insulin-like growth factor 1 and 2 in the endocrine pancreas of rat, dog, and man, and their coexistence with classical islet hormones. Cell and Tissue Research, 1993, 273, 249-259.	1.5	80
23	Genetic factors of importance for βâ€cell proliferation. Diabetes/metabolism Reviews, 1993, 9, 25-36.	0.2	22
24	Hormonal and metabolic effects and pharmacokinetics of recombinant insulin-like growth factor-I in growth hormone receptor deficiency/Laron syndrome Journal of Clinical Endocrinology and Metabolism, 1993, 77, 273-280.	1.8	112
25	Interactions of nutrients, insulin-like growth factors (IGFs) and IGF-binding proteins in the regulation of DNA synthesis by isolated fetal rat islets of Langerhans. Journal of Endocrinology, 1993, 138, 401-NP.	1.2	71
26	Role of polyamines in the regulation of proliferation and hormone production by insulin-secreting cells. American Journal of Physiology - Cell Physiology, 1993, 264, C501-C518.	2.1	43
27	Expression of Protein Tyrosine Kinases in Islet Cells: Possible Role of the Flk-1 Receptor for $\langle i \rangle \hat{l}^2 \langle i \rangle$ -Cell Maturation from Duct Cells. Growth Factors, 1994, 10, 115-126.	0.5	87
28	Insulin-like growth factor-I inhibits insulin and amylin secretion in conscious rats Endocrinology, 1994, 135, 2144-2149.	1.4	9
29	Effect of nutrients, hormones and serum on survival of rat islet beta cells in culture. Diabetologia, 1994, 37, 15-21.	2.9	110
30	Maternal insulin-like growth factor-I infusion alters feto-placental carbohydrate and protein metabolism in pregnant sheep Endocrinology, 1994, 135, 895-900.	1.4	70
31	A comparison of the effects of insulin-like growth factor-l, insulin and combined infusions of insulin and insulin-like growth factor4 on glucose metabolism in dogs. European Journal of Clinical Investigation, 1995, 25, 920-928.	1.7	9
32	Insulin inhibits its own secretion from isolated, perifused human pancreatic islets. Acta Diabetologica, 1995, 32, 75-77.	1.2	17
33	Role of tyrosine kinase in insulin release in an insulin secreting cell line (INS-1). Cellular Signalling, 1995, 7, 505-512.	1.7	22
34	Glucose-Induced Insulin Receptor Tyrosine Phosphorylation in Insulin-Secreting \hat{l}^2 -Cells. Diabetes, 1995, 44, 802-809.	0.3	98
35	Regulation of Insulinoma Cell Proliferation and Insulin Accumulation by Peptides and Second Messengers. Upsala Journal of Medical Sciences, 1995, 100, 201-216.	0.4	11
36	IGF-I and IGF-II: Expression and Function in the Endocrine Pancreas. Experimental and Clinical Endocrinology and Diabetes, 1995, 103, 37-41.	0.6	8
37	Insulin-like growth factor I does not inhibit insulin secretion in adult human pancreatic islets in tissue culture. European Journal of Endocrinology, 1995, 133, 248-250.	1.9	11

#	ARTICLE	IF	Citations
38	Metabolic effects of insulin-like growth factor-l: A focus on insulin sensitivity. Metabolism: Clinical and Experimental, 1995, 44, 108-112.	1.5	14
39	Multiple effects and stimulation of insulin secretion by the tyrosine kinase inhibitor genistein in normal mouse islets. British Journal of Pharmacology, 1995, 114, 872-880.	2.7	80
40	Functional active receptors for insulin-like growth factor-I (IGF-I) and IGF-II on insulin-, glucagon-, and somatostatin-producing cells. Metabolism: Clinical and Experimental, 1996, 45, 759-766.	1.5	42
41	Possible involvement of a tyrosine kinase-dependent pathway in the regulation of phosphoinositide metabolism by vanadate in normal mouse islets. Biochemical Journal, 1996, 315, 49-55.	1.7	16
42	Effects of voluntary physical exercise on highâ€fat dietâ€promoted pancreatic carcinogenesis in the hamster model. Nutrition and Cancer, 1996, 26, 265-279.	0.9	39
43	Expression of Insulin Receptor mRNA and Insulin Receptor Substrate 1 in Pancreatic Islet \hat{l}^2 -Cells. Diabetes, 1996, 45, 711-717.	0.3	112
44	Induction of Pancreatic Islet Neogenesis. Hormone and Metabolic Research, 1997, 29, 278-293.	0.7	55
45	Short- and long-term metabolic effects of recombinant human IGF-I treatment in patients with severe insulin resistance and diabetes mellitus. European Journal of Endocrinology, 1997, 136, 475-482.	1.9	35
46	Attenuation of insulin secretion by insulin-like growth factor 1 is mediated through activation of phosphodiesterase 3B. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 3223-3228.	3.3	137
47	Proprotein-Processing Endoprotease Furin Controls Growth of Pancreatic \hat{l}^2 -Cells. Diabetes, 1997, 46, 1296-1304.	0.3	35
48	Insulin-like growth factor I reverses interleukin- $1\hat{l}^2$ inhibition of insulin secretion, induction of nitric oxide synthase and cytokine-mediated apoptosis in rat islets of Langerhans. FEBS Letters, 1997, 417, 235-238.	1.3	60
49	Morphogenesis and differentiation of the avian endocrine pancreas, with particular reference to experimental studies on the chick embryo., 1998, 43, 292-305.		21
50	Effects of tri-iodothyronine (T3), insulin, insulin-like growth factor I (IGF-I) and transforming growth factor beta1 (TGF $\hat{1}^21$) on the proportion of insulin cells in cultured embryonic chick pancreas. Anatomy and Embryology, 1998, 198, 245-254.	1.5	14
51	The Phylogeny of the Insulin-like Growth Factors. International Review of Cytology, 1998, 183, 1-94.	6.2	165
52	Dual Glucagon Recognition by Pancreatic \hat{l}^2 -Cells via Glucagon and Glucagon-Like Peptide 1 Receptors. Diabetes, 1998, 47, 66-72.	0.3	79
53	Apoptosis in the Pancreatic Islet Cells of the Neonatal Rat Is Associated with a Reduced Expression of Insulin-Like Growth Factor II that May Act as a Survival Factor*. Endocrinology, 1998, 139, 2994-3004.	1.4	196
54	Insulin-like growth factor-I-induced DNA synthesis in insulin-secreting cell line RINm5F is associated with phosphorylation of the insulin-like growth factor-I receptor and the insulin receptor substrate-2. Journal of Endocrinology, 1998, 156, 573-581.	1.2	15
55	Ontogeny of insulin-like growth factors (IGF), IGF binding proteins, IGF receptors, and growth hormone receptor mRNA levels in porcine pancreas Journal of Animal Science, 1998, 76, 1178.	0.2	12

#	Article	IF	CITATIONS
56	Development of pancreatic islets (review) International Journal of Molecular Medicine, 1999, 3, 247-61.	1.8	60
57	Overexpression of Insulin-Like Growth Factor-II in Transgenic Mice Is Associated with Pancreatic Islet Cell Hyperplasia*. Endocrinology, 1999, 140, 2353-2363.	1.4	111
58	Cellular distribution and ontogeny of insulin-like growth factors (IGFs) and IGF binding protein messenger RNAs and peptides in developing rat pancreas. Journal of Endocrinology, 1999, 160, 305-317.	1.2	53
59	Insulin-like growth factors prevent cytokine-mediated cell death in isolated islets of Langerhans from pre-diabetic non-obese diabetic mice. Journal of Endocrinology, 1999, 161, 153-165.	1.2	69
60	Fetal programming of the pancreatic \hat{l}^2 cells and the implications for postnatal diabetes. Seminars in Fetal and Neonatal Medicine, 1999, 4, 99-113.	2.8	9
61	Tissue-Specific Knockout of the Insulin Receptor in Pancreatic \hat{I}^2 Cells Creates an Insulin Secretory Defect Similar to that in Type 2 Diabetes. Cell, 1999, 96, 329-339.	13.5	1,093
62	Altered function of insulin receptor substrate-1–deficient mouse islets and cultured β-cell lines. Journal of Clinical Investigation, 1999, 104, R69-R75.	3.9	246
63	Cell cycle control of pancreatic beta cell proliferation. Frontiers in Bioscience - Landmark, 2000, 5, d1-19.	3.0	24
64	Increased and Persistent Circulating Insulin-Like Growth Factor II in Neonatal Transgenic Mice Suppresses Developmental Apoptosis in the Pancreatic Islets*. Endocrinology, 2000, 141, 1151-1157.	1.4	74
65	Pancreatic Development and Adult Diabetes. Pediatric Research, 2000, 48, 269-274.	1.1	84
66	Primary malignant fibrous histiocytoma of the lung: IGF-II producing tumor induces fasting hypoglycemia. Experimental and Clinical Endocrinology and Diabetes, 2000, 108, 515-518.	0.6	27
67	Phosphatidylinositol 3-Kinase Signaling to Akt Mediates Survival in Isolated Canine Islets of Langerhans. Biochemical and Biophysical Research Communications, 2000, 277, 455-461.	1.0	48
68	Glucose Sensing in Pancreatic Â-Cells: A Model for the Study of Other Glucose-Regulated Cells in Gut, Pancreas, and Hypothalamus. Diabetes, 2001, 50, 1-11.	0.3	376
70	Effect of acute elevation of IGF-I on circulating GH, TSH, insulin, IGF-II and IGFBP-3 levels in non-endocrine short stature (NESS). Journal of Endocrinological Investigation, 2001, 24, 1-7.	1.8	32
72	Evidence for a circulating islet cell growth factor in insulin-resistant states. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7475-7480.	3.3	132
73	Effects of Insulin-Like Growth Factor I on Growth and Polyamine Metabolism in Various Organs in Rats. Digestion, 2002, 65, 103-111.	1.2	8
74	Insulin feedback action on pancreatic \hat{l}^2 -cell function. FEBS Letters, 2002, 532, 1-6.	1.3	98
75	î²-cell–specific deletion of the Igf1 receptor leads to hyperinsulinemia and glucose intolerance but does not alter β-cell mass. Nature Genetics, 2002, 31, 111-115.	9.4	345

#	Article	IF	CITATIONS
76	Tissue-Specific Targeting of the Insulin Receptor Gene. Endocrine, 2002, 19, 257-266.	2.2	6
77	Biology of insulin-like growth factors in development. Birth Defects Research Part C: Embryo Today Reviews, 2003, 69, 257-271.	3.6	183
78	A Reappraisal of the Blood Glucose Homeostat which Comprehensively Explains the Type 2 Diabetes Mellitus–Syndrome X Complex. Journal of Physiology, 2003, 549, 333-346.	1.3	40
79	New Insights into the Roles of Insulin/IGF-I in the Development and Maintenance of \hat{l}^2 -Cell Mass. Reviews in Endocrine and Metabolic Disorders, 2005, 6, 199-210.	2.6	83
80	Cell-type specific expression of IGF-1R in porcine islet cells. Growth Hormone and IGF Research, 2005, 15, 33-38.	0.5	4
81	Growth factors and beta cell replication. International Journal of Biochemistry and Cell Biology, 2006, 38, 931-950.	1.2	120
82	Effect of PAO (phenylarsine oxide) on the Inhibitory Effect of Insulin and IGF-1 on Insulin Release from INS-1 Cells. Endocrine Journal, 2006, 53, 21-26.	0.7	6
83	Undernutrition does not alter the activation of \hat{l}^2 -cell neogenesis and replication in adult rats after partial pancreatectomy. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E913-E921.	1.8	9
84	The IGF-I Signaling Pathway. Current Pharmaceutical Design, 2007, 13, 663-669.	0.9	263
85	Insulin Action in the Islet \hat{I}^2 -Cell. , 2007, , 133-151.		0
86	Selective gene activation by spatial segregation of insulin receptor B signaling. FASEB Journal, 2007, 21, 1609-1621.	0.2	37
88	Insulin-like growth factor-1 (IGF-1) protects NOD mice from insulitis and diabetes. Clinical and Experimental Immunology, 2008, 102, 335-340.	1.1	38
89	Insulin Signaling in the Pancreatic \hat{I}^2 -Cell. Annual Review of Nutrition, 2008, 28, 233-251.	4.3	187
90	Role of IGF-1 in glucose regulation and cardiovascular disease. Expert Review of Cardiovascular Therapy, 2008, 6, 1135-1149.	0.6	51
91	Amplification of pulsatile glucagon counterregulation by switch-off of α-cell-suppressing signals in streptozotocin-treated rats. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E575-E585.	1.8	17
92	System-Level Control to Optimize Glucagon Counterregulation by Switch-Off of α-Cell Suppressing Signals in β-Cell Deficiency. Journal of Diabetes Science and Technology, 2009, 3, 21-33.	1.3	7
93	Glucose Effects on Beta-Cell Growth and Survival Require Activation of Insulin Receptors and Insulin Receptor Substrate 2. Molecular and Cellular Biology, 2009, 29, 3219-3228.	1.1	138
94	Insulin Receptor Isoforms and Insulin Receptor/Insulin-Like Growth Factor Receptor Hybrids in Physiology and Disease. Endocrine Reviews, 2009, 30, 586-623.	8.9	889

#	Article	IF	CITATIONS
95	Chapter 21 Pancreatic Network Control of Glucagon Secretion and Counterregulation. Methods in Enzymology, 2009, 467, 547-581.	0.4	9
96	Chapter 11 Spatioâ€Temporal Dynamics of Phosphatidylinositolâ€3,4,5â€Trisphosphate Signalling. Vitamins and Hormones, 2009, 80, 287-311.	0.7	4
97	Insulin-Like Growth Factor-I Regulation of Immune Function: A Potential Therapeutic Target in Autoimmune Diseases?. Pharmacological Reviews, 2010, 62, 199-236.	7.1	226
98	Insulin Contributes to Fine-Tuning of the Pancreatic Beta-Cell Response to Glucagon-Like Peptide-1. Molecules and Cells, 2011, 32, 389-396.	1.0	10
99	Increased \hat{I}^2 -Cell Replication and \hat{I}^2 -Cell Mass Regeneration in Syngeneically Transplanted Rat Islets Overexpressing Insulin-Like Growth Factor II. Cell Transplantation, 2012, 21, 2119-2129.	1.2	22
100	Paracrine Interactions Within Islets of Langerhans. Journal of Molecular Neuroscience, 2012, 48, 429-440.	1.1	55
101	Role of endogenous IL-6 in the neonatal expansion and functionality of Wistar rat pancreatic alpha cells. Diabetologia, 2013, 56, 1098-1107.	2.9	11
102	IGF2: an endocrine hormone to improve islet transplant survival. Journal of Endocrinology, 2014, 221, R41-R48.	1.2	19
103	Exendin-4 stimulates islet cell replication via the IGF1 receptor activation of mTORC1/S6K1. Journal of Molecular Endocrinology, 2014, 53, 105-115.	1.1	25
104	IGF-1 and Insulin-Receptor Signalling in Insulin-Secreting Cells: From Function to Survival. , 2015, , 659-685.		1
105	Protective and Healing Effects of Ghrelin and Risk of Cancer in the Digestive System. International Journal of Molecular Sciences, 2021, 22, 10571.	1.8	9
106	Genetic models of Insulin Resistance: Alterations in \hat{l}^2 -cell biology. Growth Hormone, 2001, , 299-323.	0.2	12
107	Expression of Insulin-Like Growth Factors (IGFs) and Their Binding Proteins (IGF BPs) During Pancreatic Development in Rat, and Modulation of IGF Actions on Rat Islet DNA Synthesis by IGF BPs. Advances in Experimental Medicine and Biology, 1992, 321, 113-122.	0.8	15
108	\hat{l}^2 cell expression of IGF-I leads to recovery from type 1 diabetes. Journal of Clinical Investigation, 2002, 109, 1153-1163.	3.9	110
109	Effects of insulin-like growth factor-I on glucose tolerance, insulin levels, and insulin secretion Journal of Clinical Investigation, 1992, 89, 1908-1913.	3.9	124
110	Glucose utilization in a patient with hepatoma and hypoglycemia. Assessment by a positron emission tomography Journal of Clinical Investigation, 1992, 89, 1958-1963.	3.9	61
111	Effect of insulin-like growth factor-1 on the responses to and recognition of hypoglycemia in humans. A comparison with insulin Journal of Clinical Investigation, 1993, 91, 141-147.	3.9	35
112	A low dose euglycemic infusion of recombinant human insulin-like growth factor I rapidly suppresses fasting-enhanced pulsatile growth hormone secretion in humans Journal of Clinical Investigation, 1993, 91, 2453-2462.	3.9	170

#	ARTICLE	IF	CITATIONS
113	Comparison of the metabolic effects of recombinant human insulin-like growth factor-I and insulin. Dose-response relationships in healthy young and middle-aged adults Journal of Clinical Investigation, 1994, 93, 1131-1139.	3.9	111
114	\hat{l}^2 cell expression of IGF-I leads to recovery from type 1 diabetes. Journal of Clinical Investigation, 2002, 109, 1153-1163.	3.9	74
115	Transgenic mice overexpressing insulin-like growth factor-II in \hat{l}^2 cells develop type 2 diabetes. Journal of Clinical Investigation, 2000, 105, 731-740.	3.9	151
116	Cell cycle control of pancreatic beta cell proliferation. Frontiers in Bioscience - Landmark, 2000, 5, d1.	3.0	41
117	IGF-1 and Insulin Receptor Signalling in Insulin-Secreting Cells: From Function to Survival., 2013, , 1-26.		1